GPC-3 - RELEASE DATE JUNE 1986

AGENCY	PROGRAM	PAGE NO.
USAF	Unified Local Area Network Architecture (ULANA) Phase I	V-1-102
ARMY	General Purpose Computing Requirement	V-2-29
NAVY	* Department of the Navy Office Automation and Communications System (DONOACS)	V-3-3
	* Satellite Processing Center (SPC) Upgrade	V-3-24
	* Primary Environment Processing System (PEPS) Software System (PSS)	V-3-46
USDA	Automated Administrative Management System (AMMS)	VI-5-24
	Replacement of Existing O/A and ADP Equipment	VI-5-25
COMMERCE	* Computer Replacement (Nos. 1 and 3)	VI-6-3
	Advanced Weather Interactive Processing System (AWIPS)	VI-6-24
ENERGY	* Class VII Computer System	VI-7-37
HHS	* ADMIN/MI Capacity Upgrade	VII-8-7
	* Processing Center Hardware Replacement	VII-8-8
	* Project to Redesign Information Systems Management (PRISM)	VII-8-20
	Departmental Telecommunication Improvement Project	VII-8-26
INTERIOR	Automated Land and Mineral Record System (ALMRS)	VII-9-11
HUD	* HUD Integrated Information Processing Service (HIIPS)	VII-9B-4
TREASURY	* Automated Examination Systems (AES)	VII-12-5

---

*Revision

*Revision

AWARDS AND DELETES[*]

AGENCY	PROGRAM	PAGE NO.
NAVY	Competitive Replacement of CDC 6000	V-3-8
USDA	Contract Software Maintenance and New Development	VI-5-7
	Establish an Automated Network for ARS Headquarters and Major Field Offices	VI-5-12
HHS	Replacement Procurement for All AOS Equipment	VII-8-23
NASA	Center Standard System Support	VIII-15-2
	Ground Telemetry and Space Position System Software Development	VIII-15-4
	VAX/PDP-11 Support Services Programming	VIII-15-7
	VAX/PDP-11 Maintenance	VIII-15-10
	CRAY 1s Computer System (Class VI)	VIII-15-27

[*] Move these programs to the back of PAR Section IX.

AGENCY:		CODE:		DATE:

AGENCY: USAF Systems Command Electronics Systems Division (ESD)

CODE: C3501102

DATE: 3/25/86

PROGRAM:

Unified Local Area Network Architecture (ULANA) Phase I

SERVICES:

Telecommunications: hardware and software; professional services: systems integration.

FUNDING: ($K)	FY-1985 (See Note A)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990

SCHEDULE:	DRAFT: (SOW)	CBD: ANN. 4/86	PRE-BID: CONF.	RFP/RFQ: RELEASE 7/86	BID DUE: 10/86	AWARD: 2/87

CONTRACT TYPE(S):

Indefinite delivery, indefinite quantity

DURATION:

Three years

CONTRACTING OFFICE:

Dale Pease
HQS ESD/PKG
Hanscom AFB
MA 01731-5000
(617) 863-6604

PROGRAM OFFICE:

Tom Polas
HQS ESD/OCC-2
Hanscom AFB
MA 01731-5000
(617) 271-8511

DESCRIPTION:

Funding for ULANA Phase I will provide for the services of a prime contractor who will serve as the integrator for the development, design, and implementation of USAF-wide standards for LANs and LAN components.

BACKGROUND/FUNCTION:

Under the auspices of ULANA Phase I the Air Force expects the contractor to provide, to the extent possible, off-the-shelf products which are compatible with IEEE 802 media access methods. Products and services will include network interface units, bridges and gateways to the Defense Data Network (DDN), network security, video modulators and demodulators, T1 capability, cable plant design and installation (one site only), and systems integration. All products must be compatible with the current DOD suite of protocols.

This program will result in the procurement of a family of networking components that can be implemented across communications networks Air Force-wide to provide for interoperability between heterogeneous hosts and terminals and related hardware.

ULANA II will include network security and network management focused on International Standards Organization (ISO) protocols and is planned to coincide with the DOD-directed migration to ISO standards. Program development of ULANA II is not anticipated until 1988 at the earliest.

ANALYSIS:

(Note A) Funding for ULANA I is estimated to be $30 million.

The Program Office noted that the testbed site for ULANA I will be at Langley AFB and that the winning contractor will be expected to design, install, and maintain the cable plant as a proving site for ULANA I components.

ACQUISITION PLAN:

An RFP for this program is scheduled for release in July 1986 with an award anticipated in February 1987.

AWARDS TO DATE:

None.

AGENCY:		CODE:		DATE:
Army Information Systems Engineering Command (ISEC)		C3502029		5/14/86

PROGRAM:

General Purpose Computing Requirement

SERVICES:

Hardware; software; professional services: hardware and software maintenance, systems integration, training and education.

FUNDING: ($K)	FY1986 (See Note A)	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE FY87	BID DUE:	AWARD:

CONTRACT TYPE(S):	DURATION:
Requirements	TBD

CONTRACTING OFFICE:	PROGRAM OFFICE:
TBD	Larry Wilson Commander ISEC Director Customer Technical Support Stop H14 ASB-SATS Fort Belvoir, VA 22160-5456 (703) 756-5100

DESCRIPTION:

Under the auspices of this program the Department of the Army will establish a requirements contract which will provide microcomputers, software, and related professional services for general purpose computing.

BACKGROUND/FUNCTION:

In October 1984 the Army awarded a requirements contract to SMS Data Products to provide multi-functional microcomputers that could support operating systems including DOS, Xenix, and CPM. Also included under this contract were communications hardware and peripherals to meet the needs of users Army-wide.

The SMS contract will expire at the end of FY87 by which time the Army hopes to have in place a new contract which will meet general purpose microcomputing needs into the 1990s.

ANALYSIS:

(Note A) Funding levels for this program have not been determined. The Program Office stated that once the Army has developed program specifications they are likely to be merged with Air Force and Navy requirements resulting in a tri-service procurement.

The development of specifications will be focused on whether Army-wide general purpose microcomputing needs can best be served via a Distributed Data Processing (DDP) or End User Computing (EUC) environment.

ACQUISITION PLAN:

The Army hopes to have its own, or to be part of a tri-service requirements contract, which should be in place by September 1987, the expiration date of the SMS contract.

AWARDS TO DATE:

SMS Data Products; contract: DAHC26-85-0005; award date: October 1, 1985.

AGENCY:	CODE:	DATE:
Navy Deputy Undersecretary of the Navy (Financial Management)	C3503003	5/19/86 [*]

PROGRAM:

Department of the Navy Office Automation and Communications System (DONOACS)

SERVICES:

Hardware; software; professional services: system engineering and technical assistance, installation and maintenance; telecommunications: local-area network.

FUNDING: ($K)	FY1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	2,445	1,811	1,250	1,190	2,400	2,375

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
Mini 7/84 computer	-	-	4/21/86	-	-	
Multi Vendor Pilot	-	-	-	1/87	-	-

CONTRACT TYPE(S):	DURATION:
Fixed price	UNK

CONTRACTING OFFICE:	PROGRAM OFFICE:
Mr. Mark Price Naval Regional Contracting Center Building 200 Washington Navy Yard Washington, DC 20374 (202) 433-5787	Commander Robert Grey ASN (FM) Attn: DONOACS Washington, DC 20350 (202) 695-1383

DESCRIPTION:

This program provides funding for the purchase of central site hardware, central and local file processors, communications networks, user application processors, and workstations to support office automation and word processing Navy-wide.

---

[*] Original date 7/31/84; previous revision 8/8/85

BACKGROUND/FUNCTION:

The DONOACS project is the Navy's primary office information systems initiative, focusing on the reduction of paperwork and improvements in office productivity. In addition to standard word processing and clerical office functions, DONOACS will provide executives with tools for improved management of information resources.

The DONOACS project includes both a central site system to support headquarters business functions, and standardized distributed office systems which will be linked through the Defense Data Network (DDN). Current central site hardware consists of a DEC VAX 11/780 located at the Naval Regional Data Automation Center (NARDAC) in Washington.

ANALYSIS:

Program funding listed above covers both the acquisition of minicomputers and and the multi-vendor pilot. Most acquisition activity in FY87 and the outyears will focus on the multi-vendor pilot. The RFP release for the multi-vendor pilot slipped from FY86 to January 1987, and additional slippage could happen.

The Program Office indicated that three or four sites will be selected for the pilot. Hardware requirements for each site include from 1 to 64 workstations linked through a local-area network (LAN) with from 20 to 40 megabytes of file storage per user. The workstations must be capable of running IBM PC DOS or MS DOS. Interface and compatibility standards for the LAN include IEEE 802.3 (Ethernet), TCP/IP, and X.25.

The Navy program code in the OMB Five-Year Plan is ADPS A11.

ACQUISITION PLAN:

Currently no formal acquisition plan is available. The procurement of one DEC VAX 8600 minicomputer was announced in the CBD April 21, 1986. The Program Office did not identify any additional central site hardware requirements.

The multi-vendor pilot is likely to be conducted as an A109 "fly-off", with a single vendor selected for all subsequent DONOACS procurements. Total acquisitions under the DONOACS program for the winning vendor could be extended to approximately 6500 workstations installed in 23 sites including the Pentagon.

AWARDS TO DATE:

System Engineering and Technical Assistance (SETA) contract, Integrated Microcomputer Systems, Inc., June 1983, contract number M00027-83-C0041.

Navy   C3503024   5/5/86[*]
Fleet Numerical Oceanography
Center (FLENUMOCEANCEN)

PROGRAM:

Satellite Processing Center (SPC) Upgrade

SERVICES:

Hardware; professional services: hardware installation.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	1,110	1,135	576	504	506	520
	(See Note A)					

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	(See Note B)					

CONTRACT TYPE(S):   **DURATION:**

Firm fixed price   TBD

CONTRACTING OFFICE: **PROGRAM OFFICE:**

TBD   Randy Nottingkemper
                                         FNOC Code 9
                                         Monterey, CA 93943-5005
                                         (408) 646-2317

DESCRIPTION:

Funding for this program provides for the acquisition of hardware
and professional services for the processing, in a classified
environment, of data from the Navy Remote Ocean Sensing System
(N-ROSS).

BACKGROUND/FUNCTION:

Under the auspices of a joint NASA/Navy agreement, an enhanced SPC
system is being developed at NASA's Bay St Louis (MI) facility.
This program is now in its third year with a test system scheduled
for delivery in 1987.

---

[*]Original date 9/28/83; previous revisions 8/1/84, 5/30/85

ANALYSIS:

(Note A) Funding listed for FY86 and FY87 provides for the ongoing development effort which has included awards to Lockheed, Perkin-Elmer, Ramtek Corp., and Fairchild Weston. Funding for fiscal years 1988-91 will provide for hardware necessary to process raw data for numerical applications.

ACQUISITION PLAN:

(Note B) This program is still in the early part of the requirements analysis stage and no procurement schedule is available.

AWARDS TO DATE:

Requirements analysis and development awards to the companies listed above are small and numerous. Specific information not available at this time.

AGENCY:		CODE:		DATE:	

AGENCY:

Navy
Fleet Numerical Oceanography
Center (FLENUMOCEANCEN)

CODE:

C3503046

DATE:

5/5/86[*]

PROGRAM:

Primary Environment Processing Systems (PEPS) Software System (PSS)

SERVICES:

Professional services: programming and analysis, software mainte-
nance.

FUNDING: ($K)	FY1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	675	865	1,410	1,461	1,770	2,125

SCHEDULE:	DRAFT: (SOW) (See Note A)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:

CONTRACT TYPE(S):

Varies

DURATION:

Varies

CONTRACTING OFFICE:

Al Young
NAVDAC Code 131
Building 166
Washington Navy Yard
Washington, DC 20374

PROGRAM OFFICE:

Randy Nottingkemper
FNOC Code 9
Monterey,CA 93943-5005
(408) 646-2317

DESCRIPTION:

This program provides funding for the majority of the software
development actions related to the FLENUMOCEANCEN. Software devel-
oped, implemented, and maintained under the auspices of this program
is operationally run on the PEPS hardware.

BACKGROUND/FUNCTION:

The FLENUMOCEANCEN, in Monterey (CA), is the hub of the Naval
Environmental Data Network (NEDN). FLENUMOCEANCEN receives and
analyzes worldwide oceanographic and meteorological data using
advanced mathematical techniques on large, high-speed computers.

---

[*]Original date 8/7/84; revised 5/30/85

advanced mathmatical techniques on large, high-speed computers. The PEPS hardware currently includes Control Data 855 and 860 systems.

The PSS software development effort is directed toward providing the Navy with three capabilities: (1) expeditious processing and analysis of meteorological/oceanographic data to describe the total naval operating environment, (2) prediction of meteorological and oceanographic conditions within accuracies required by weapons/sensor systems, and (3) preparation, dissemination, and display of platform and weapons system/sensor performance prediction based upon forecast environmental conditions.

The PSS consists of seven subsystems covering: (1) system control and monitoring, (2) report processing, (3) atmospheric analysis and prediction, (4) oceanographic analysis and prediction, (5) preparation, transmission, and display, (6) data base management, and (7) data receipt and distribution. A major portion of the development effort is devoted to software to be utilized by environmental prediction models such as the Navy Operational Global Atmospheric Prediction System (NOGAPS), the Global Spectral Ocean Wave Model (GSOWM), and the Thermodynamical Ocean Predictions System (TOPS).

ANALYSIS:

With the exception of software written within the last several years, the majority of ADP software consists of special-purpose applications programs that were not well documented and have undergone numerous modifications. Approval for the PEPS replacement in March 1983 included the development in FY87 through FY90 of a FLENUMOCEANCEN Software Improvement Plan, which is expected to reduce future software conversion costs, as software migrates to successor hardware systems in the 1990 timeframe. Program documentation will be brought up to standard, with vendor-unique language features being minimized or eliminated. A similar software improvement plan is planned for NAVOCEANO in the same timeframe.

ACQUISITION PLAN:

Funding for the PSS provides for a series of small contracts which are awarded competitively through the Naval Data Automation Command.

AWARDS TO DATE:

None.

AGENCY:		CODE:		DATE:
Department of Agriculture (USDA)		C3605024		4/28/86
Farmers Home Administration (FmHA)				

PROGRAM:

Automated Administrative Management System (AAMS)

SERVICES:

Professional services: systems design; software.

FUNDING: ($K)	FY1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	0	2,528	760	4,312	578	0

SCHEDULE:	DRAFT: (SOW) (See Note A)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:

CONTRACT TYPE(S):   **DURATION:**

TBD   TBD

CONTRACTING OFFICE: **PROGRAM OFFICE:**

TBD   Bill Spofford
                                          Farmers Home Administration
                                          Room 5503 South Bldg.
                                          USDA
                                          1200 Independence Ave., SW
                                          Washington, DC 20250
                                          (202) 447-2574

DESCRIPTION:

Funding for this program provides for the acquisition of profession-
al services and software associated with the design and development
of a system which will fully automate the FmHA's administrative
functions.

BACKGROUND/FUNCTION:

The Department's Reform #1 has recommended changes in the way each
agency would make use of services at the National Finance Office.
These changes would allow FmHA to evaluate its administrative
systems and to implement Agency dedicated systems with appropriate
interfaces to Departmental systems where economies are found. FmHA
operates its programs through a network of over 2,200 County and
District level offices.

ANALYSIS:

The Program Office stated that the winning contractor will be expected to design a system which will be comprised of the FmHA's current ADP suite which includes AT&T microcomputers, IBM mainframes located at the Kansas City Computer Center, and telecommunications support from GTE/Telenet.

ACQUISITION PLAN:

(Note A) Due to Gramm-Rudman funding cuts, this program is expected to slip until FY88. An RFP for this effort is anticipated for release six months after the beginning of the fiscal year in which funds are made available.

AWARDS TO DATE:

None.

AGENCY:		CODE:		DATE:	
Department of Agriculture (USDA) Food and Nutrition Service (FNS)		C3605025		4/29/86	

PROGRAM:

Replacement of Existing O/A and ADP Equipment

SERVICES:

Hardware; software; telecommunications: LAN; professional services: hardware maintenance.

FUNDING: ($K)	FY-1986 682	FY-1987 4,503	FY-1988 1,085	FY-1989 2,726	FY-1990 1,667	FY-1991 800
SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE 2QFY87	BID DUE:	AWARD: 1QFY88

CONTRACT TYPE(S):	DURATION:
TBD	Five years

CONTRACTING OFFICE:	PROGRAM OFFICE:
TBD	Jerry Kroshus FNS Room 321 3101 Park Center Drive Alexandria, VA 22303 (703) 756-3216

DESCRIPTION:

Funding for this program provides for the acquisition of hardware, software, telecommunications, and professional services required to replace Service O/A and ADP assets at FNS Headquarters and at the seven regional offices.

BACKGROUND/FUNCTION:

In April 1986 the FNS awarded a contract to Comprehensive Technologies International (Fairfax, VA) to conduct a requirements analysis of Service ADP needs in order to improve information processing and provide uniform hardware and software products throughout FNS. Under the auspices of this program it is estimated that the Service will procure approximately 400 workstations and associated peripherals (printers and plotters) for use by FNS management, operations, and clerical personnel.

ANALYSIS:

FNS's current hardware suite is comprised of IBM, and IBM-compatible gear. The Program Office expects that the new hardware will also need to be IBM-compatible because the system must support an IBM plug-compatible host.

This procurement was initiated after the FNS determined that its ADP requirements could not be fulfilled by the existing USDA requirements contract with EDS/AT&T.

ACQUISITION PLAN:

Pending completion of the requirements study, and its subsequent review by FNS officials, an RFP is anticipated for release in the 2QFY87.

AWARDS TO DATE:

Comprehensive Technologies International; award date: April 23, 1986.

AGENCY:			CODE:		DATE:

Department of Commerce   C3606003   4/22/86[*]
Bureau of Census

PROGRAM:

Computer Replacement (Nos. 1 and 3) (Previously:
Long-Range ADP Acquisition)

SERVICES:

Hardware; software; professional services: hardware maintenance and
site preparation.

FUNDING: ($K)	FY-1986 -	FY-1987 7,300	FY-1988 1,305	FY-1989 1,305	FY-1990 30,305	FY-1991 3,570

SCHEDULE:	DRAFT: (SOW) (See Note A)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:

CONTRACT TYPE(S):	DURATION:

Firm fixed-price   TBD

CONTRACTING OFFICE: **PROGRAM OFFICE:**

Rick Maier   Gerald Cranford
ADP Planning and Acquisition   Office of the Director
Staff   Bureau of the Census
Room 1026 FB3   Room 1021-3 FB3
Washington, DC   20233   Washington, DC   20233
(202) 763-2470   (202) 763-2360

DESCRIPTION:

This program involves the acquisition of hardware, software, and
professional services necessary to replace a UNIVAC 1100/74 and an
1100/84 mainframe.

BACKGROUND/FUNCTION:

The Bureau is currently focusing on enhancing the productivity of
its nontechnical staff. This will be accomplished both by decreas-
ing demands on the programming staff and by automating existing
manual functions.

---

[*]Original Date 10/11/83; previous revisions: 12/17/84, 9/9/85

The Bureau's computer replacement activities center on three functional areas in preparation for the 1990 census: 1) continuing Bureau operation to satisfy the production processing requirements for all census and survey work; 2) geographic information support system to provide a geographic referencing capability, and a cartographic product capability to support the 1990 Census of Population and Housing; and 3) a decennial data capture system to provide a more effective data collection operation than in 1980 and to enable more timely closing of the temporary field offices.

ANALYSIS:

In March 1986 the Bureau purchased a UNIVAC 1100/92 to replace a UNIVAC 1100/84. A second procurement, which will replace another UNIVAC 1100/84 and a UNIVAC 1100/74, will ensure that state-of-the-art technology will be in place to support the 1990 Decennial Census.

ACQUISITION PLAN:

(Note A) Procurement activity for the replacement of the UNIVAC mainframes is not anticipated before FY88.

AWARDS TO DATE:

UNIVAC 1100/92 contract: Sperry; contract 50-YABC-6-66029; award date March 31, 1986.

AGENCY:			CODE:		DATE:
Department of Commerce (DOC) National Weather Service			C3606024		5/6/86

PROGRAM:

Advanced Weather Interactive Processing System (AWIPS)

SERVICES:

Hardware; software; professional services: hardware and software maintenance, systems integration; telecommunications: LAN.

FUNDING: ($K)	FY-1986 3,850	FY-1987 9,710	FY-1988 20,550	FY-1989 28,750	FY-1990 34,650	FY-1991 35,500

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF. 6/85	RFP/RFQ: RELEASE 4QFY86	BID DUE: 75 days	AWARD: FY87

CONTRACT TYPE(S):	DURATION:
TBD	(Est) Ten years

CONTRACTING OFFICE:	PROGRAM OFFICE:
Gary Rice NWS Headquarters 8060 13th St. (Gramax Bldg.) Room 820 Silver Spring, MD 20910 (301) 427-7351	William Murray NWS/Advanced Systems Laboratory 8060 13th St. (Gramax Bldg.) Room 1200 Silver Spring, MD 20910 (301) 427-7951

DESCRIPTION:

Funding for this program provides for the purchase and commercial services costs associated with an AWIPS for the 1990's (AWIPS-90). AWIPS-90 will provide a modern communications network to distribute a wide variety of observational data, forecast guidance products, and satellite and radar imagery among the widespread forecast offices of the NWS.

BACKGROUND/FUNCTION:

As part of the National Oceanic and Atmospheric Administration (NOAA), the National Weather Service (NWS) is charged with providing timely and accurate meteorological data and forecasts. Large-scale computers are used at the three National Meteorological Center to collect, process, and disseminate meteorological data worldwide, as well as in preparation of guidance products, forecasts, and other information. Minicomputers at the twelve colocated River Forecast Centers (RFCs) and Area Forecast Coordination Units are employed for

collecting and processing hydrological data and for preparing river forecasts and warnings as well as for processing, decoding, and disseminating data from upper air observational sites.

ANALYSIS:

The NWS currently meets its processing needs through a large installed base of IBM, DEC, CDC, and Sperry hardware.

An AWIPS information library has been established at the Gramax Building, Silver Spring, Maryland to provide vendors with an opportunity to review program related documentation and specifications. Interested parties should call (301) 427-7351 to make an appointment.

A copy of the AWIPS source list of offerers is available upon request from the Contract Office.

ACQUISITION PLAN:

An RFI for this program is scheduled for release by May 30, 1986 with an RFP anticipated for release prior to the end of FY86.

AWARDS TO DATE:

None.

AGENCY:		CODE:		DATE:
Department of Energy (DOE) Los Alamos National Laboratory		C3607037		4/23/86[*]

PROGRAM:

Class VII Computer System

SERVICES:

Hardware; professional services: hardware maintenance.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
System 1	4,910	9,820	18,330	–	–
System 2	5,015	10,030	19,085	–	–

SCHEDULE:	DRAFT: (SOW) (See Note A)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:

CONTRACT TYPE(S):	DURATION:
TBD	TBD

CONTRACTING OFFICE: **PROGRAM OFFICE:**

TBD

Charles Slocum
Los Alamos National Laboratory
Mail Stop B294
Los Alamos, NM 87545
(505) 667-5243

DESCRIPTION:

This program proposes the acquisition of two Class VII computer systems to increase capabilities in support of the weapons and inertial confinement fusion programs at Los Alamos National Laboratory, Los Alamos (NM).

BACKGROUND/FUNCTION:

The Los Alamos National Laboratory was founded in 1943 and is operated by the University of California. The Laboratory functions as a multiprogram research and development installation. The FY1987 DOE submission to OMB A-11 Section 43 states that this acquisition will provide support to and be funded by the Weapons Activities, Defense Program.

---

[*]Original date 4/19/84; revised 6/12/85

DOE has grouped their computer resources into several classes (I to VII) on the basis of the overall cost and performance of the systems. An enhanced Class VII computer system is defined in the DOE ADP Long-Range Plan for FY85-89 as a system with the same relative capabilities as a CRAY XMP. A Class VIII machine is defined as the next generation of supercomputers. These systems, though not commercially available at this time, are expected to have four to ten times the performance capabilities of the current Class VI computer systems.

The Los Alamos Laboratory's processing needs are currently met by three CRAY 1s, two CRAY XMP 48s, and one CRAY XMP 24.

ANALYSIS:

Although the FY87 OMB A-11 Section 43 requests funding for the acquisition of two Class VII computer systems for Los Alamos, the Program Office stated that specific requirements have not been developed.

ACQUISITION PLAN:

Lab officials informed INPUT that they are always considering acquiring new systems and that they now anticipate procuring one large processing system every other year.

AWARDS TO DATE:

None.

AGENCY:		CODE:		DATE:	

Department of Health and Human   C3708007   5/8/86[*]
Services (HHS)
Social Services Administration
(SSA)

PROGRAM:

ADMIN/MI Capacity Upgrade (previously titled Administrative and Management Information Computer Facility Replacement)

SERVICES:

Hardware; software; professional services: hardware and software maintenance.

FUNDING: ($K)	FY-1986 900	FY-1987 3,100	FY-1988 9,800	FY-1989 9,200	FY-1990 7,000	FY-1991 5,000

SCHEDULE:	DRAFT: (SOW) (See Note A)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE 5/87	BID DUE:	AWARD:

CONTRACT TYPE(S):   **DURATION:**

Firm fixed price   TBD

CONTRACTING OFFICE: **PROGRAM OFFICE:**

TBD

Mike Worozbyt
HHS/SSA
572 NCC
Office of Systems Operation
6201 Security Boulevard
Baltimore, MD 21235
(301) 597-3365

DESCRIPTION:

Funding for this program provides for the purchase of IBM-compatible peripherals in FY87. In FY89 funds have been allocated for the procurement of a mainframe and software.

BACKGROUND/FUNCTION:

SSA now has approximately 100 systems fulfilling administrative and management functions. These systems were developed independently of

---

[*]Original date 1/4/84; revised 1/18/85

one another over the last decade and are supported by several vendor host technologies.

Under the auspices of the Administrative/Management Information Engineering (AMIE) program the SSA will accomplish the migration of administrative and management information systems to an in-house and fully IBM-compatible environment called the Decision Support System (DSS).

The Capacity Upgrade program originally included the acquisition of a mainframe computer in FY87. However, due to the availability of an Amdahl 5870 from in-house resources, FY87 funding will only be used for peripherals (DASD, tape drives, printers, consoles, and card readers) and maintenance to be used in conjunction with the Amdahl 5870.

ANALYSIS:

The Program Office stated that the mainframe which is slated for acquisition in FY89 will only be procured if the Amdahl 5870-based system is incapable of meeting the DSS's processing needs.

ACQUISITION PLAN:

(Note A) An RFP for the peripheral procurement is anticipated for release in May 1987; a more definite date will be set only after the Amdahl 5870 becomes available for full-time support of DSS applications.

Procurement activity for the mainframe, software, and maintenance will not begin until FY88.

AWARDS TO DATE:

None.

Department of Health and Human   C3708008   5/9/86[*]
Services (HHS)
Social Security Administration (SSA)

PROGRAM:

Processing Center Hardware Replacement

SERVICES:

Hardware; professional services: hardware maintenance.

FUNDING: ($K)	FY-1986 21,517	FY-1987 6,067	FY-1988 11,425	FY-1989 4,683	FY-1990 4,683	FY-1991 4,683

SCHEDULE:	DRAFT: (SOW) (See Note A)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE 4QFY86	BID DUE:	AWARD:

CONTRACT TYPE(S):   **DURATION:**

Firm fixed price   Five years

CONTRACTING OFFICE: **PROGRAM OFFICE:**

Scott Kresan   Fred Wirth
SSA   SSA
Division of Contracts and   Office of Systems Engineering
Branch Management   593 NCC
ADP Contracts Branch   6201 Security Boulevard
PO Box 7696 Gwynn Oak Branch   Baltimore, MD 21235
Baltimore, MD 21235   (301) 594-2440
(301) 594-4876

DESCRIPTION:

Funding for this program provides for acquisition of processors, main memory, channels, tape systems, disk systems, laser printers, and consoles to replace obsolete CPUs and associated peripherals at the six SSA processing centers.

BACKGROUND/FUNCTION:

The hardware at the six SSA processing centers is 16 years old. This initiative will replace the antiquated CPUs and associated

---

[*]Original date 1/4/84; revised 11/15/84

equipment with on-line disk-oriented equipment. An interactive processing center control system will be implemented to provide timely accurate information on the status of case actions in progress, a tracking system for the location of case folders, and an orderly flow of claimant and beneficiary work. The new system will fully support redesigned on-line disk-oriented workloads and allow for future workload growth.

ANALYSIS:

An RFP for this program was released in early FY86 and subsequently withdrawn. A new RFP is anticipated for release before the end of FY86.

ACQUISITION PLAN:

(See Analysis)

AWARDS TO DATE:

SE&I assistance: EDS; date: FY83; contract: SSA600-83-0053

AGENCY:	CODE:	DATE:
Department of Health and Human Services (HHS) Health Care Financing Administration (HCFA)	C3708020	5/6/86[*]

PROGRAM:

Project to Redesign Information Systems Management (PRISM)

SERVICES:

Hardware; software; telecommunications; professional services: consulting.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	4,462	6,000	22,212	11,888	-	-

SCHEDULE:	DRAFT: (SOW) (See Note A)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:

CONTRACT TYPE(S):	DURATION:
UNK	UNK

CONTRACTING OFFICE: **PROGRAM OFFICE:**

Paul Fiore
HCFA
Division of Procurement Services
Room 389 East High Rise
6325 Security Boulevard
Baltimore, MD 21207
(301) 594-3340

Zermain Breidenbaugh
HCFA
Office of Information Resources Management
Meadows East Building
6300 Security Boulevard
Baltimore, MD 21207
(301) 597-0600

DESCRIPTION:

Under the auspices of the PRISM program in FY86-87, HCFA will be acquiring: increased processing capacity, the migration of the Health Insurance/Supplement Medical Insurance (HI/SMI) systems from tape to disk-based operations, extension of the use of microcompu- ters and improvement of the controls on the current information systems environment.

---

[*]Original date 2/27/84; previous revisions: 1/2/85, 6/5/85

Long-term efforts (FY88-91) will be directed toward the major redesign of HCFA's systems through major systems projects which include: system integration, software development, hardware and software acquisition, Office Automation (O/A), data communications, and data administration.

BACKGROUND/FUNCTION:

The Health Care Financing Administration (HCFA) is responsible for administering the Medicare, Medicaid, and attendant health-related programs. This responsibility includes establishing policy and regulations necessary to implement related legislation; conducting actuarial studies; providing statistical analyses of these health programs; and managing the approximately $100 billion in funds required to support these programs annually. Recently, the Administration further charged HCFA with the responsibility for identifying, evaluating, and proposing alternatives for reducing health care costs.

HCFA's major systems redesign project uses a top-down approach as suggested by the IBM Business Systems Planning (BSP) methodology. This process began with the HCFA Mission Needs Study (1981-1982) which documented the Agency's mission and functions and their related information requirements. The PRISM will continue through five specific, though sometimes overlapping, phases:

- o   Development of the Systems Design Concept
- o   Development of Systems Design Specifications
- o   Software Acquisition/Development
- o   Hardware and ADP Services Acquisition
- o   Final Testing and Acceptance

The first stage has been completed (April 1985) with contractual support from the MITRE Corporation. As a part of their contract requirements MITRE developed a design concept to be used as a blueprint for the remainder of this project and a plan that provides for complete design and implementation of the new system by the end of FY 1989.

The HCFA Data Center (HDC) is installing an IBM 3081 and has an IBM 4341 Model 12 with a full complement of peripheral devices and communication/distributed processors; such as, three COMTEM 3600 systems as Front End Processors (FEP), over 200 IBM 3270-type CRT terminals in central and regional offices, 10 Datapoint 6600 systems in 10 regions, and three IBM Series/1 Model 64, operated by OMB for their accounting applications, are connected to the HDC through communications lines.

The HDC system supports almost 1,000 users nationwide. The users are processing their data in HDC computers using IBM 3270 or compatible terminals through Synchronous Data Link Control (SDLC) lines in the IBM System Network Architecture (SNA) system. Some users process their data in a micro/minicomputer and then transmit the files to the HDC computer through IBM emulation lines.

Each HCFA region has a Datapoint 6600 mini-computer which has 20 million bytes of disk storage and several terminals, a word processor connected to the IBM Series/1 system, and several IBM 3270-type terminals connected to the HDC IBM systems.

ANALYSIS:

(Note A) Neither the Program Office nor the Contract Office would comment on the proposed schedule of procurements related to the PRISM effort. Vendors interested in obtaining additional information on PRISM's implementation strategy should obtain a copy of HCFA's PRISM 5-Year Information Systems Plan through the Program Office.
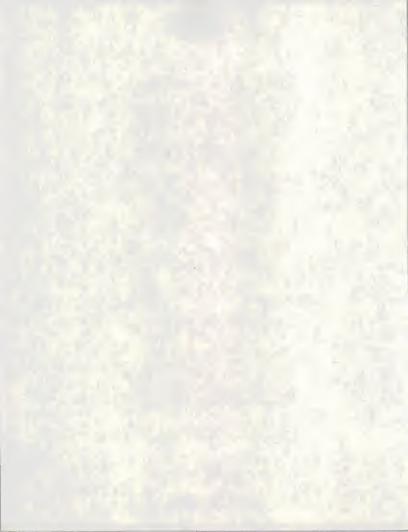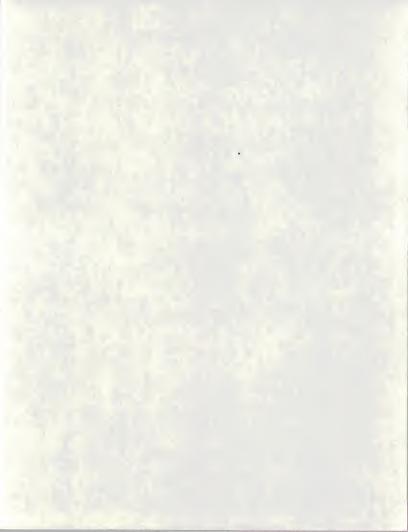
ACQUISITION PLAN:

(See Analysis)

AWARDS TO DATE:

Mitre Corporation; award date: 1984; contract: 500-84-0007.

AGENCY:		CODE:			DATE:

AGENCY: **CODE:**   **DATE:**

Health and Human Services (HHS)   C3708026   5/6/86
ASMB - Office of Facilities
and Management Services

PROGRAM:

Departmental Telecommunications Improvement Project

SERVICES:

Telecommunications: hardware;   professional   services: hardware
maintenance.

FUNDING:	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
($K)	-	24,000	7,200	7,200	7,200	7,200

SCHEDULE:	DRAFT: (SOW)	RFI	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
		2/6/86		4QFY86		FY87

CONTRACT TYPE(S):   **DURATION:**

TBD   TBD

CONTRACTING OFFICE: **PROGRAM OFFICE:**

James Vandecar   Kenneth Touloumas
Office of the Secretary   ADP and Telecommunications
Division of Contract Operations   Resource Division
Room 443H   Room 5430
200 Independence Avenue, SW   200 Independence Avenue, SW
Washington, DC 20201   Washington, DC 20201
(202) 245-6065   (202) 245-7311

DESCRIPTION:

Funding for this program provides for the procurement of a telecom-
munications switch, and associated maintenance costs, which will
service HHS components in the Washington, DC metropolitan area.

BACKGROUND/FUNCTION:

Program requirements call for the engineer furnish, installation,
test (cutover), training of government personnel, and ongoing
maintenance of complete operational state-of-the-art integrated
telecommunications services for HHS in metropolitan Washington DC.
The services will also include three automated support facilities
(ASF) for localized administration and control for three geographi-
cal areas and Automated Directory Systems for use by attendants.
These services/equipment are required to service HHS in the

Washington DC metropolitan area. The services should be provided in multiple phases and replace the present CENTREX telephone service. This initiative envisions extensive use of telephone facilities to access office automation data bases. Up to 10,000 instruments will require this feature. To provide this requirement without adding additional main station lines to the system, it is mandatory that digital time division multiplexing be used internally with companded pulse code modulation.

ANALYSIS:

Delays in the Washington Interagency Telecommunications System (WITS) Program have led HHS to proceed with an independent solicitation rather than merging its requirements with the other agencies.

ACQUISITION PLAN:

An RFI for this program appeared in the CBD on February 6, 1986 with comments due March 14. Pending review of industry's comments, an RFP is anticipated for release in the 4QFY86.

AWARDS TO DATE:

None.

AGENCY:		CODE:		DATE:
Department of Interior (DOI) Bureau of Land Management		C3709011		5/21/86

PROGRAM:

Automated Land and Mineral Record System (ALMRS)

SERVICES:

Hardware; software; telecommunications; professional services: systems integration.

FUNDING: ($K)	FY-1986 (See Note A)	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	Software	-	-	Est 3QFY87	-	-
	Hardware	-	-	Est 4QFY87	-	-

CONTRACT TYPE(S):	DURATION:
TBD	TBD

CONTRACTING OFFICE: **PROGRAM OFFICE:**

TBD

Lon Sumrell
Bureau of Land Management
Division of Information
Management
Room 208 Premier Building
Washington, DC 20240

DESCRIPTION:

Funding for this program provides for the acquisition of hardware, software, telecommunications, and professional services in order to automate the BLM's Land and Mineral Record System.

BACKGROUND/FUNCTION:

The purpose of ALMRS is to automate the Bureau's records for lands and minerals processing. A feasibility study with alternatives was completed in December 1985 under contract by GSA's Federal Computer Performance Evaluation and Simulation Center (FEDSIM). Additional study support is being provided by American Management Systems under the auspices of a modernization project which is addressing Bureau-wide ADP functional requirements.

ANALYSIS:

(Note A) The Department now estimates that the planned acquisition costs for the ALMRS are $198.6 million dollars. The application system life is expected to be 12 years.

The Program Office indicated that the parameters of this initiative may be scaled down due to Gramm-Rudman.

The Department project number for ALMRS is A-84-LLM-00-03.

ACQUISITION PLAN:

Present plans call for the release of two RFPs (for hardware and software) but this is subject to change pending the results of the modernization study.

AWARDS TO DATE:

American Management Systems; contract: AA852-CT5-15; award date: July 13, 1985.

AGENCY:		CODE:		DATE:
Department of Housing and Urban Development (HUD)		C379B004		4/8/86[*]

PROGRAM:

HUD Integrated Information Processing Service (HIIPS).

SERVICES:

Hardware; software; professional services: system integration, education and training; telecommunications.

FUNDING: ($K)	FY-1985 (See Note A)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF. 6/11/86	RFP/RFQ: RELEASE 1/87	BID DUE: 4/87	AWARD: 3/88

CONTRACT TYPE(S):

Fixed price and cost plus (fixed fee or incentive fee)

DURATION:

5 Years with 5 one-year options

CONTRACTING OFFICE:

Ken Dozer
HUD/ACA
Room 5264
451 7th Street SW
Washington, DC 20410
(202) 426-1772

PROGRAM OFFICE:

Jo Alice Ama
HUD/AI
Room 5282
451 7th Street SW
Washington, DC 20410
(202) 755-5938

DESCRIPTION:

This program will provide funding for a contract for a systems integrator who will be responsible for the provision of all of HUD's ADP equipment and services.

BACKGROUND/FUNCTION:

In addition to providing all hardware and network services for HUD's Washington, DC office and 80 field locations nationwide, the contractor will be expected to own and operate a network control center.

---

[*]Original date 12/11/85

The bulk of the Department's computing needs are now met by seven Sperry UNIVAC 1180s, several Honeywell DPS/695s and IBM 3081 and 4381 equivalents.

As part of the HIIPS, the Department has slated for replacement the Sperry UNIVAC 1180s, Honeywell minicomputers, all UTS and Honeywell terminals, and an IBM timesharing service. In addition, the program will consolidate HUD's network needs, which are currently met by a Value-Added Network (VAN) supplied by GTE Telenet and a dedicated network run on leased lines from AT&T, into a single network.

ANALYSIS:

(Note A) The minimum estimated value for this five year contract, including five one-year options is $300 million. The RFP will ask vendors to quote prices for both lease and purchase.

The Project Office is anxious to solicit industry-wide comment on this effort and has already briefed the current mainframe contractors, "prime-type" vendors, and other interested parties.

ACQUISITION PLAN:

The Department will be forwarding an APR to GSA in July 1986. Pending receipt of a DPA, a draft RFP is scheduled for release in September 1986 with RFP released slated for January 1987. An award is not anticipated before March 1988.

AWARDS TO DATE:

None.

AGENCY:		CODE:		DATE:	

AGENCY: CODE: DATE:

Department of the Treasury   C3712005   5/13/86[*]
Internal Revenue Service (IRS)

PROGRAM:

Automated Examination System (AES)

SERVICES:

Hardware; software; professional services: system analysis and
programming, consulting.

FUNDING: ($K)	FY1986 24,297	FY-1987 51,378	FY-1988 167,760	FY-1989 230,423	FY-1990 211,273	FY-1991 19,108

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
Phase I	-	-	-	-	-	9/7/85
Phase II	-	-	-	-	-	2/25/86
Phase III				8/86		FY87

CONTRACT TYPE(S):   DURATION:

TBD   TBD

CONTRACTING OFFICE: PROGRAM OFFICE:

Fred Martin   Robert Dooley
Internal Revenue Service   Internal Revenue Service
Contracts and Procurement Branch   D:C: AES, Room 6365
ICC Building, Room 1320   ICC Building
1111 Constitution Avenue, NW   1111 Constitution Avenue, NW
Washington, DC 20224   Washington, DC 2-224
(202) 535-6715   (202) 566-8611

DESCRIPTION:

The Automated Examination System (AES) will be obtained using three
separate competitive procurements. The Phase I solicitation,
awarded to Arthur Andersen & Company on September 7, 1984, will
determine alternative design concepts with related costs and bene-
fits. Arthur Andersen & Company will prepare functional specifica-
tions for the design concept selected by the government. Phase II
was awarded to Zenith Data Systems and provides portable computers
and off-the-shelf software for the use of IRS field agents and other

---

[*]Original date 2/2/84; previous revisions 10/2/84, 5/30/85, 9/20/85

examination personnel. The source selected for Phase III will provide hardware systems, system software, systems analysis and programming, and maintenance for the total major fixed equipment of the AES.

BACKGROUND/FUNCTION:

The IRS describes the AES as a system that can interface with all or most of the services' current information resources. The examiner would have access to all pertinent information, from transaction tapes, discriminant function formula (DFF) files, Information Return Program tapes, and the Master Files. The AES could consolidate many existing specialized systems, such as centralized scheduling of office examinations, examination report writing, case control, technical time workload study reports, and the Audit Information Management System (AIMS).

The AES will support the Examination and Appeals organizations of the IRS. In general, there are 624 permanent IRS offices distributed throughout the 50 states where the Automated Examination function will take place. The proposed system will also accommodate examination personnel who perform work in non-permanent facilities through the use of portable equipment, such as terminals and modems.

The AES is part of the IRS's overall effort to streamline the entire tax system. AES is being developed to be compatible with both the Tax System Redesign Program (PAR VII12-6) and the Integrated Collection System (PAR VII-12-33), and will eventually interface with these systems through the Servicewide Integrated Telecommunications Network (PAR VII-12-32).

ANALYSIS:

Funding information listed represents the total expenditures anticipated to implement the AES. A breakout of funding requirements to support each phase was not available.

Arthur Andersen & Company will be required to provide design support throughout the implementation of the total AES. Arthur Andersen & Company is excluded from bidding on the Phase III solicitation.

ACQUISITION PLAN:

An RFP for Phase III is anticipated for release in August 1986.

AWARDS TO DATE:

Arthur Andersen & Company, contract TIR84-0180, awarded September 1984; one-year base with three one-year options.

Zenith Data Systems, contract TIR-86-270, awarded February 26, 1986; three year contract.

AGENCY:		CODE:		DATE:

AGENCY: CODE: DATE:

Department of the Treasury   C3712006   5/13/86[*]
Internal Revenue Service (IRS)

PROGRAM:

Tax System Redesign (TSR)

SERVICES:

Hardware; software; professional services: system design, program-
ming and analysis.

FUNDING: ($K)	FY1986 13,979	FY-1987 16,714	FY-1988 32,690	FY-1989 38,292	FY-1990 30,175	FY-1991 No Est.

SCHEDULE:	DRAFT: (SOW) (See Note A)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE 1/87	BID DUE:	AWARD:

CONTRACT TYPE(S):	DURATION:

UNK   Twenty year life cycle. Length
of contracts is undetermined.

CONTRACTING OFFICE: **PROGRAM OFFICE:**

Robert King   Kenneth Neal
Internal Revenue Service   Internal Revenue Service
1111 Constitution Avenue, NW   1111 Constitution Avenue, NW
D:C:R: ANPO, Room 6443   D:C:R: Room 6449
Washington, DC 20224   Washington, DC 20224
(202) 566-6059   (202) 566-6936

DESCRIPTION:

This program proposes funding for the acquisition of professional
services to redesign the national automated tax processing system
and procurement of the required hardware, software, and services to
implement the necessary changes. Specific requirements will not be
identified until the IRS has an internally approved acquisition
strategy.

BACKGROUND/FUNCTION:

The current tax processing system requires manual entry of indepen-
dent evidence of individual income source to match against tax

---

[*]Original date 2/3/84; previous revisions: 1/14/85, 10/2/85

returns, and similar entry of the returns (except for the shorter EZ forms, which are optically scanned). The system also selects for separate manual audit only those returns which appear to be unbalanced in particular income groups.

The IRS proposed a substantially improved information collection program in the mid 70s but failed to gain congressional approval. More recent hearings noted the increasing income from banker, off-book operations, real-estate transactions, tips, tax refunds,and unregulated gambling that avoids tax payments, increasing the burden on those who comply with the regulations. Congressional attitudes have changed in response to increasing federal budget deficits.

The objective of the new system is more automation to avoid continually increasing the work force and to accelerate entry of correlating information for automatically processing all returns.

The IRS is also currently working on major efforts to improve the auditing process (AES, Automated Examination System, PAR V12-5) and to expedite its collection function (ICS, Integrated Collection System, PAR VII12-33). All three systems, TSR, AES, and ICS will be interfaced through a Servicewide Network now also under development (see PAR VII-12-32).

IRS installed 11 new Sperry series 1100 computers to match up the more than 650 million tax forms in 1984 and about 900 million in 1985. Retention or replacement of these CPUs will be determined by the conceptual study to be funded by this program.

ANALYSIS:

(Note A) The IRS planned to conduct a two-step procurement in compliance with OMB Circular A109. Step One was system design and Step Two was demonstration and implementation. The IRS decided that it will adhere in principle to the guidelines set forth in OMB Circular A-109, and the entire proposal package has now been submitted to Treasury, GSA, and OMB for review. The Program Office was reluctant to discuss funding but did state that FY86 funds had not been committed.

ACQUISITION PLAN:

Pending approval of the TSR conceptual package by Treasury, an RFP is anticipated for release in January 1987.

AWARDS TO DATE:

None.

AGENCY:		CODE:			DATE:
Department of the Treasury Internal Revenue Service		C3712033			5/13/86[*]

PROGRAM:

Integrated Collection System (ICS)

SERVICES:

Hardware; professional services: system integration, hardware maintenance.

FUNDING: ($K)	FY-1986 83,342	FY-1987 73,248	FY-1988 66,035	FY-1989 61,279	FY-1990 61,409	FY-1991 61,836

SCHEDULE:	DRAFT: (SOW) -	CBD: ANN. -	PRE-BID: CONF. -	RFP/RFQ: RELEASE 10/86	BID DUE: -	AWARD: 2/87

CONTRACT TYPE(S):

UNK

DURATION:

UNK

CONTRACTING OFFICE:

Fred Martin
Internal Revenue Service
1111 Constitution Avenue, NW
ICC Building, Room 1320
Washington, DC 20224
(202) 535-4836

PROGRAM OFFICE:

Mark Cox
Internal Revenue Service
1111 Constitution Avenue, NW
ATTN: OP:C:ICS
Washington, DC 20224
(703) 557-0047

DESCRIPTION:

Funding for this program will provide for the acquisition of hardware and associated maintenance and for system integration for the development of a system to assist the IRS's field collection function.

BACKGROUND/FUNCTION:

As part of the IRS's major ongoing effort to streamline the entire tax system (see PAR VII-12-5 on Tax System Redesign and VII-12-6 on Automated Examination), the Integrated Collection System will fully automate the Collection Field Function and provide for interface

---

[*]Original date 10/1/85

with the Services Automated Collection System (ACS) and Service Center Replacement System (SCRS).

The Integrated Collection System will automate processing activities to support case officers and will interface the collection field function with SCRS and ACS activities nationwide.

ANALYSIS:

The Program Office indicated that the software for this system has been developed by vendors who hold existing contracts with the IRS. The Office of the Assistant Commissions for Collection is now looking for a single contractor to supply hardware and systems integration to build this turnkey system.

The Service hopes to have the hardware installed at a test site by September 1987 with nationwide implementation slated for spring 1988.

ACQUISITION PLAN:

An RFP for this Program is now being written and is anticipated for release in October 1986 with an award expected in February 1987.

AWARDS TO DATE:

None.

AGENCY:			CODE:		DATE:
Department of Education			C3713005		4/28/86
Office of Management					

PROGRAM:

(Recompetition of the Contract for) Computer Services

SERVICES:

Professional services: facilities management.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	3,591	3,799	3,800	3,800	3,800	3,800

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
				FY87		FY88

CONTRACT TYPE(S):

TBD

DURATION:

Five years

CONTRACTING OFFICE:

TBD

PROGRAM OFFICE:

Glenn Pery
Department of Education
Room 3674 ROB3
400 Maryland Ave., SW
Washington, DC 20202
(202) 732-2781

DESCRIPTION:

Funding of this program will provide for the recompetition of the Office of Management's facilities management contract to support ADP projects Department-wide.

BACKGROUND/FUNCTION:

In FY87 the Department of Education will recompete the current facilities management contract now held by EDS. The contract includes rental of the Department's host computers, all high and low speed terminals and related equipment. Also included are data preparation, Xerox, microfilm, microfiche processing and personnel support for the Systems Engineering, System Acceptance and Production Processing Units of the Production Services Section.

ANALYSIS:

The system life value of the five year EDS contract is estimated at $18-20 million dollars.

The Program Office stated that the contract may be consolidated with a larger Education-wide contract, which would include the Office of Postsecondary Education's student loan collection processing programs.

ACQUISITION PLAN:

An RFP for this program is anticipated for release in FY87.

AWARDS TO DATE:

EDS; award date: June 1983; contract: 300-83-001.

AGENCY:		CODE:		DATE:
NASA Headquarters Washington (DC)		C3815001		5/9/86 [*]

PROGRAM:

Headquarters IBM 370/158 Replacement

SERVICES:

Hardware; software.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	-	300	500	300	500	100

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE (Est.) 4QFY86	BID DUE:	AWARD:

CONTRACT TYPE(S):   DURATION:

Firm fixed price   UNK

CONTRACTING OFFICE: PROGRAM OFFICE:

(See Note A)   Chick Heaton
                                      NASA Headquarters
                                      Code NHT
                                      Washington, DC 20546
                                      (202) 453-1864

DESCRIPTION:

Acquisition of a hardware system with operating system software to replace the IBM 370/158 which processes administrative applications at NASA Headquarters.

BACKGROUND/FUNCTION:

The IBM 370/158 computer at NASA headquarters provides administrative support in the areas of payroll, personnel, procurement, logistics, and budget. The system consists of an IBM 370/158 CPU with five megabytes of memory, one INTEL add-on memory of three megabytes, and associated peripherals. The system was purchased

---

[*] Original date 1/26/84; previous revisions: 2/11/85, 9/8/85

approximately 10 years ago and maintenance is provided by a third-party vendor.

ANALYSIS:

The program to replace the IBM 370/158 is identified in the NASA Major ADP Actions Plan and the OMB A-11 Section 43 as a requirement in FY86. It was the intention of the agency to replace the system with an IBM-compatible system in FY85, but no funding was approved at the time.

A requirements study was conducted to determine the validity of replacement as opposed to upgrading the existing IBM 370/158 system. Upon the completion of the requirements study in March 1985, a determination was made to replace the IBM system.

ACQUISITION PLAN:

(Note A) The Program Office stated that it has not yet been determined as to whether this procurement will be handled by NASA Headquarters or through the incumbent facilities management contractor PRC.

AWARDS TO DATE:

NASA Headquarters Facilities Management: PRC; award date: FY81; contract: NASW-3600.

AGENCY:		CODE:		DATE:
NASA		C3815008		5/14/86[*]
Ames Research Center (ARC)				

PROGRAM:

Master Programming Contract

SERVICES:

Professional services: programming and analysis.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	7,566	8,948	9,728	10,925	12,275	13,790

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	(See Note A)			FY88		FY88

CONTRACT TYPE(S):

Fixed-price; level of effort

DURATION:

One-year base contract with four one-year options.

CONTRACTING OFFICE:

Carmen Young
NASA-Ames Research Center
Mail Stop 241-1
Moffett Field, CA 94035
(415) 694-5795

PROGRAM OFFICE:

Bob Carlson
NASA-Ames Research Center
Mail Stop 233-15
Moffett Field, CA 94035
(415) 694-6036

DESCRIPTION:

Acquisition of professional service of programming and analysis support for ARC. The level of effort required is currently averaging just over 200 man years per year.

BACKGROUND/FUNCTION:

ARC emphasis is on flight research and technologies for commercial and military motorcraft, power-lift aircraft, and high-performance aircraft, as well as strengthening and sustaining fundamental aeronautical disciplines. ARC's Central Computer Facility utilizes two IBM 4341s, a Cray XMP, and a CYBER 205 (not installed at this time). Informatics is supplying programming support for software used on these and other systems.

---

[*] Original date 3/15/84; previous revisions: 2/14/85, 9/9/85

ANALYSIS:

(Note A) This contract was recompeted in FY83 and was awarded to the incumbent, Informatics, which has been acquired by Sterling Software. The funding listed above reflects an estimated 10% annual increase in costs.

The Master Programming Contract now includes systems support for the VAX/PDP-11s (formerly PAR VIII-15-7).

ACQUISITION PLAN:

The master programming contract will be recompeted in early FY88.

AWARDS TO DATE:

Sterling Software; contract: NAS2-11555; awarded: February 1983.

AGENCY:		CODE:		DATE:
NASA		C3815014		5/15/86[*]
Ames Research Center (ARC)				

PROGRAM:

Ground Telemetry and Space Position System (GTSPS) Hardware

SERVICES:

Hardware.

FUNDING: ($K)	FY-1986 (See Note A)	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
SCHEDULE:	DRAFT: (SOW) (See Note B)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:

CONTRACT TYPE(S):	DURATION:
UNK	UNK

CONTRACTING OFFICE:	PROGRAM OFFICE:
Varies	Carl Anderson NASA Ames/Dryden Flight Research Facility PO Box 273 Edwards, CA 93523 (808) 258-3549

DESCRIPTION:

This program proposes the acquisition of hardware systems. These systems will be both replacements and new starts. The funding above relates to several discreet solicitations which will provide hardware support for the GTPS located at the Dryden Flight Research Facility in Edwards (CA).

BACKGROUND/FUNCTION:

The GTSPS provides processing support for the facility's involvement in aircraft flight testing. GTSPS currently consists of four subsystems: (1) Telemetry Acquisition System with two Gould SEL 8106s and two Gould SEL 32/55s; (2) Telemetry Processing System with

---

[*]Original date 3/5/84; revised 4/6/85

an HP 6561C and a DEC 1134; and (3) Radar Information and Display System with three Varian V77s.

The Flight Facility typically acquires subsystem level components (e.g., frame and telemtry bit synchronizers, minicomputers, and display devices) and integrates using the in-house engineering staff in support of telemetry projects. In the next few years the Facility will be acquiring additional hardware to support global positioning system capabilities on the test range.

ANALYSIS:

(Note A) No funding information for this program currently is available. The agency stated that the GTSPS's hardware augmentations of the past have been modular in design, evolving into a system which meets current requirements and is flexible enough to allow for future tasks.

ACQUISITION PLAN:

(Note B) No acquisition plan is available from the facility. The facility advised that plans for solicitation of services will be announced in the CBD.

AWARDS TO DATE:

Unknown.

AGENCY:			CODE:			DATE:
NASA Goddard Space Flight Center (GSFC)			C3815036			5/16/86[*]

PROGRAM:

UNIVAC 1100s Replacement

SERVICES:

Hardware.

FUNDING: ($K)	FY-1986 (See Note A)	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991

SCHEDULE:	DRAFT: (SOW)	CBD: ANN. 9/86	PRE-BID: CONF.	RFP/RFQ: RELEASE 10/86	BID DUE:	AWARD: FY87

CONTRACT TYPE(S):	DURATION:
Firm fixed price	One year

CONTRACTING OFFICE:	PROGRAM OFFICE:
TBD	Paul Andrus Code 532 NASA Goddard Space Flight Center Greenbelt, MD 20771 (301) 344-8871

DESCRIPTION:

Funding for this program provides for the replacement of Sperry UNIVAC 1100/81 and a UNIVAC 1100/82 systems at the Network Control Center at GSFC.

BACKGROUND/FUNCTION:

One of GSFC missions is to enhance tracking and data acquisition systems and support operations as the primary mode is changed from a ground-based system to a satellite system. GSFC supports this mission on their Network Control Center's UNIVAC-based systems. Their involvement with NASA's Tracking and Data Relay Satellite

---

[*]Original date 2/17/84; revised 2/17/85

System (TDRSS) has caused GSFC to plan for a system upgrade in FY87 to meet future requirements.

TDRSS is comprised of two tracking and data relay satellites in geostationary orbit, plus an in-orbit spare; a single-ground terminal at White Sands (NM); and a Network Control Center (NCC) at GSFC. hardware currently in use at GSFC's NCC include: UNIVAC 1182, UNIVAC 1181, five V77 (Varian 600), fifteen communication front ends, two PDP 11/34s, and two PDP 11/40s. The NCC supports the processing of information related to the scheduling and management of the resources of the TDRSS and its interface with the other satellites (called the user community).

ANALYSIS:

The Program Office is currently developing system specifications to meet processing needs at the NCC. Upgrades being considered include fault isolation, network adapters, frontend processor replacement, and the replacement of the Display Management System (DTV). Plans are presently being formulated to install two to three high speed networks (hyperchannels) that will interface the DTV and the frontend processor (V77) with the UNIVAC 1100/81. This arrangement will facilitate the simulation of system structure and improve operating efficiency.

Funding levels for this program were not listed in the FY87 OMB Five Year Plan but the Program Office confirmed that funding will be made available by FY87.

ACQUISITION PLAN:

(Note A) An RFP for this program is anticipated in October 1986. A Contract Office will not be designated until summer 1986 when NASA Headquarters approves the feasibility study.

AWARDS TO DATE:

None.

AGENCY:		CODE:		DATE:	
NASA Lewis Research Center (LeRC)		C3815057		4/28/86[*]	

PROGRAM:

Class VII Computer System

SERVICES:

Hardware; professional services: programming and analysis, hardware maintenance.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	–	–	–	5,000	7,500	7,500

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
	–	–	–	FY88		FY89

CONTRACT TYPE(S):	DURATION:
TBD	TBD

CONTRACTING OFFICE:	PROGRAM OFFICE:
TBD	Donald Packe NASA/LeRC Computer Services Division Mail Stop 142-2 21000 Brookpark Road Cleveland, OH 44135 (216) 433-5166

DESCRIPTION:

This program provides funding for the acquisition of a Class VII computer system for the LeRC. This acquisition will include a single competitive procurement of hardware, Direct Access Storage Devices (DASD), hardware maintenance, and programming and analysis. This is in direct support of the Aeronautics Research and Testing Base.

BACKGROUND/FUNCTION:

LeRC is NASA's leading center for research and technology for aircraft and space propulsion, space power, and satellite

---

[*]Original Date 2/10/85; revised 9/9/85

communications. Lewis manages the Atlas-Centaur launch vehicle and Centaur upper stage programs for use in launching satellites from the shuttle's cargo bay. LeRC also has the lead responsibility for developing the power system for the space station.

ANALYSIS:

The Program Office stated that the Center now anticipates that the current Class VI machine, a CRAY XMP, will no longer be able to meet processing needs in the 1989 timeframe. Funding posted in the FY87 OMB Five Year Plan represents the expected costs of a Class VII system.

ACQUISITION PLAN:

An RFP for this program is anticipated for release in FY88.

AWARDS TO DATE:

None.

PROGRAM:

Numerical Aerodynamic Simulator (NAS) Processing System Network (NPSN) - Graphics Subsystem

---

SERVICES:

Hardware.

FUNDING: ($K)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990	FY-1991
	-	847	750	375	1,000	610

SCHEDULE:	DRAFT: (SOW) (See Note A)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:

CONTRACT TYPE(S):   **DURATION:**

Fixed price   One year

CONTRACTING OFFICE: **PROGRAM OFFICE:**

Rosemary Buchanan   Frank Preston
NASA-Ames Research Center   NASA-Ames Research Center
Mail Stop N/S 233-1   Mail Stop 232-6
Moffett Field, CA 94035   Moffett Field, CA 94035
(415) 965-5812   (415) 694-6349

DESCRIPTION:

This program provides funding for the acquisition of a graphics system to interface with the NAS for the development and mathematical solution of three-dimensional aerodynamic and fluid flow equations at ARC.

BACKGROUND/FUNCTION:

The NPSN is the center's major new requirement for ADP systems and services. The current plan to implement the NPSN employs an evolutionary phased development utilizing a multivendor approach. The system will feature prototype high-speed processors, as they become available, and a supporting system consisting of workstations,

---

[*]Original date 9/9/85

graphics stations, mass data storage, and a long-haul side-band satellite communication link between the NASA centers.

NAS capability will enable a large number of users from NASA, DoD, academia, and industry simultaneously to solve heretofore intractable problems of national importance. NAS will make possible the mathematical solution of three-dimensional aerodynamic and fluid flow problems that were previously impossible to solve. The new systems will permit extensive analytical research that will explore aircraft configurations and obviate expensive and generally incomplete wind tunnel simulations. Solutions of the full Navier-Stokes equations (introduced mid-1800s) will reveal underlying mechanisms of turbulence, flow separation and reattachment, and aerodynamic noise.

ANALYSIS:

The agency will assemble this system from commercially available equipment, periodically updating the processor to be the fastest available scientific processor. NASA has placed high priority on NAS, which will provide and maintain the world's most advanced scientific computation system. The CCF Mass Storage System (see PAR VIII-15-5) will provide some memory capacity for the NPSN.

Out-year funding (1989 and 1990) will provide for an upgrade of the initial hardware purchase and for extended capabilities.

ACQUISITION PLAN:

(Note A) The Program Office stated that a few RFPs for this program will be released in the 4QFY86, but that the bulk of contractual activity for this initiative will occur in FY87.

AWARDS TO DATE:

None.

AGENCY:	CODE:	DATE:

NASA   C3815060   5/15/86[*]
Ames Research Center (ARC)

PROGRAM:

Numerical Aerodynamic Simulator (NAS) Processing System Network (NPSN) - Hi-Speed Processor #2 and #3

SERVICES:

Hardware; professional services: programming and analysis, systems integration.

FUNDING: ($K)	FY-1986 -	FY-1987 2,500	FY-1988 8,500	FY-1989 8,500	FY-1990 8,500	FY-1991 4,250

SCHEDULE:	DRAFT: (SOW)	CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE	BID DUE:	AWARD:
Processor #2 -	-	-	-	2QFY87	-	-
Processor #3 -	-	-	-	FY88	-	-

CONTRACT TYPE(S):   **DURATION:**

Fixed price   UNK

CONTRACTING OFFICE: **PROGRAM OFFICE:**

Rosemary Buchanan   Frank Preston
NASA - Ames Research Center   NASA - Ames Research Center
Mail Stop N/S 233-1   Mail Stop 232-6
Moffett Field, CA 94035   Moffet Field, CA 94035
(415) 965-5812   (415) 694-6349

DESCRIPTION:

Funding for this program provides for the acquisition of two supercomputers and associated professional services which the Agency will coordinate for the NPSN.

BACKGROUND/FUNCTION:

The NPSN is the center's major requirement for ADP systems and services. The current plan to implement the NPSN employs an evolu-tionary phased development, utilizing a multivendor approach. The system features prototype high-speed processors, as they become available, and a supporting system consisting of workstations,

---

[*]Original date 9/9/85

graphics stations, mass data storage, and a long-haul side-band satellite communication link between the NASA centers.

NAS capability will enable a large number of users from NASA, DoD, academia, and industry simultaneously to solve heretofore intractable problems of national importance. NAS will make possible the mathematical solution of three-dimensional aerodynamic and fluid flow problems that were previously impossible to solve. New systems will permit extensive analytical research that will explore aircraft configurations and obviate expensive and generally incomplete wind tunnel simulations. Solutions of the full Navier-Stokes equations (introduced mid-1800s) will reveal underlying mechanisms of turbulence, flow separation and reattachment, and aerodynamic noise.

ANALYSIS:

The NAS currently meets its processing needs with a CRAY-2 and will be looking to supplement processing capability with the FY87 acquisition of a second processor with a sustained speed of one giga-flop. In the late 1980s a third processor, with a sustained speed of four or five giga-flops, will be acquired.

ACQUISITION PLAN:

The Program Office confirmed that the specifications for Processor #2 have been completed and are pending approval at NASA headquarters. An RFP is not anticipated for release before 2QFY87.

Procurement activity for Processor #3 will not begin until FY88.

AWARDS TO DATE:

None.

NASA Goddard Space Flight Center   C3815062   3/24/86*
Greenbelt (MD)

PROGRAM:

Customer Data and Operations System (CDOS)

SERVICES:

Professional services: system definition and preliminary design.

FUNDING: ($K)	FY-1985 (See Note A)	FY-1986	FY-1987	FY-1988	FY-1989	FY-1990

SCHEDULE:		CBD: ANN.	PRE-BID: CONF.	RFP/RFQ: RELEASE 11/86	BID DUE:	AWARD:
	RFI: 7/86 (See Note B)					

CONTRACT TYPE(S):   **DURATION:**

TBD   TBD

CONTRACTING OFFICE: **PROGRAM OFFICE:**

TBD   Mr. John Lyon - Code 502
                                         Goddard Space Flight Center
                                         Greenbelt, MD 20771
                                         (301) 344-5713

DESCRIPTION:

Funding for this program provides for the acquisition of profession-
al services to aid NASA in defining and designing CDOS. CDOS is a
watershed concept, not a system. Many different systems are subsets
of the CDOS concept.

BACKGROUND/FUNCTION:

For over 25 years NASA has supported space flights with a set of
ground capabilities from control centers to telemetry handling of
data distribution services. In the Space Station Era (early to
mid-1990s), NASA wants to substantially adjust their practices in
supporting customers through CDOS. The objective is two-fold:

---

*Original date 9/18/85

first, to make each space shot more efficient by allowing more experimentation and data gathering pershot; and second, to allow a scientist to control his payload within certain limitations as if it were in the laboratory with him.

While CDOS is not part of the Space Station Program proper, it is allied with the Space Station. As such, CDOS has a schedule consistent with Space Station needs and its budget is currently linked to the Space Station.

ANALYSIS:

(Note A) No funding estimates for this program currently are available.

The Program Office stated that delays in the Shuttle Program could effect the CDOS program indirectly. If NASA decides not to build a fourth orbiter the assembly sequence for the space station may be extended, thus delaying implementation of CDOS.

ACQUISITION PLAN:

(Note B) The proposed schedule is optimistic; the space station project is now undergoing a baseline review and the CDOS RFI will probably slip to late 1986 with an RFP release some time in 1987.

AWARDS TO DATE:

None.